

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050061

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N9/73 H05B37/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04N H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/047628 A1 (MORGAN FREDERICK ET AL) 25 April 2002 (2002-04-25) paragraphs '0040! - '0042! paragraphs '0053! - '0056! paragraphs '0062!, '0063! -----	1, 15, 19
A	US 2003/100837 A1 (LYS IHOR ET AL) 29 May 2003 (2003-05-29) paragraphs '0120!, '0121!; figure 9 -----	1, 15, 19
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 672 (E-1646), 19 December 1994 (1994-12-19) & JP 06 267664 A (TOSHIBA LIGHTING & TECHNOL CORP), 22 September 1994 (1994-09-22) abstract ----- -/--	1, 15, 19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

19 April 2005

Date of mailing of the International search report

06/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 551 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pigniez, T

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050061

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 014, no. 413 (E-0974), 6 September 1990 (1990-09-06) & JP 02 158094 A (MATSUSHITA ELECTRIC IND CO LTD), 18 June 1990 (1990-06-18) abstract</p> <p>-----</p>	1, 15, 19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050061

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002047628 A1	25-04-2002	US 6806659 B1	19-10-2004
		US 6150774 A	21-11-2000
		US 6016038 A	18-01-2000
		US 6528954 B1	04-03-2003
		US 6459919 B1	01-10-2002
		US 2001028227 A1	11-10-2001
		US 2003076281 A1	24-04-2003
		US 2002113555 A1	22-08-2002
		US 2002047646 A1	25-04-2002
		US 6166496 A	26-12-2000
		EP 1393599 A2	03-03-2004
		WO 02098182 A2	05-12-2002
		WO 02098183 A1	05-12-2002
		US 2002171365 A1	21-11-2002
		US 2002171377 A1	21-11-2002
		US 6781329 B2	24-08-2004
		US 2002163316 A1	07-11-2002
		US 6774584 B2	10-08-2004
		US 2002153851 A1	24-10-2002
		US 2002130627 A1	19-09-2002
		US 2002171378 A1	21-11-2002
		US 2003057886 A1	27-03-2003
		US 2004212320 A1	28-10-2004
		US 2003057887 A1	27-03-2003
		US 2003057890 A1	27-03-2003
		US 2004052076 A1	18-03-2004
		US 2004160199 A1	19-08-2004
		US 2004240890 A1	02-12-2004
		US 2004212993 A1	28-10-2004
		US 2005044617 A1	03-03-2005
		US 2005062440 A1	24-03-2005
		US 2005047134 A1	03-03-2005
		US 2003137258 A1	24-07-2003
		US 2003222587 A1	04-12-2003
		US 2004090191 A1	13-05-2004
		US 2002048169 A1	25-04-2002
		US 2002070688 A1	13-06-2002
		US 2004178751 A1	16-09-2004
		US 2005047132 A1	03-03-2005
		US 2002047569 A1	25-04-2002
		US 2002074559 A1	20-06-2002
		US 2002101200 A1	01-08-2002
		US 2002057061 A1	16-05-2002
		US 2002158583 A1	31-10-2002
		US 2002152045 A1	17-10-2002
		US 2002101197 A1	01-08-2002
		US 6548967 B1	15-04-2003
		AT 222013 T	15-08-2002
		AU 757000 B2	30-01-2003
		AU 9206098 A	16-03-1999
US 2003100837 A1	29-05-2003	US 6459919 B1	01-10-2002
		US 6016038 A	18-01-2000
		US 2004155609 A1	12-08-2004
		CA 2314163 A1	24-06-1999
		EP 1040398 A2	04-10-2000
		JP 2004511878 T	15-04-2004
		US 2002171365 A1	21-11-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050061

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003100837 A1		US 2002171377 A1	21-11-2002
		US 6781329 B2	24-08-2004
		US 2002163316 A1	07-11-2002
		US 6774584 B2	10-08-2004
		US 2002153851 A1	24-10-2002
		US 2002130627 A1	19-09-2002
		US 2003057884 A1	27-03-2003
		US 2002171378 A1	21-11-2002
		US 2003057886 A1	27-03-2003
		US 2004212320 A1	28-10-2004
		US 2003057887 A1	27-03-2003
		US 2003057890 A1	27-03-2003
		US 2003137258 A1	24-07-2003
		US 2003076281 A1	24-04-2003
		US 2003222587 A1	04-12-2003
		US 6548967 B1	15-04-2003
		US 2002048169 A1	25-04-2002
		US 2002070688 A1	13-06-2002
		US 2004240890 A1	02-12-2004
		US 2004212993 A1	28-10-2004
		US 2002047628 A1	25-04-2002
		US 2005044617 A1	03-03-2005
		US 2005047132 A1	03-03-2005
		US 2005062440 A1	24-03-2005
		US 2002047569 A1	25-04-2002
		US 2002074559 A1	20-06-2002
		US 2005041161 A1	24-02-2005
		US 2002158583 A1	31-10-2002
		US 2002152045 A1	17-10-2002
		US 2002101197 A1	01-08-2002
		AT 222013 T	15-08-2002
		AU 757000 B2	30-01-2003
		AU 9206098 A	16-03-1999
		AU 2004200183 A1	12-02-2004
		CA 2302227 A1	04-03-1999
		CA 2466717 A1	04-03-1999
		DE 69807092 D1	12-09-2002
		DE 69807092 T2	08-05-2003
		EP 1195740 A2	10-04-2002
		EP 1016062 A1	05-07-2000
		ES 2182358 T3	01-03-2003
		HK 1025416 A1	01-11-2002
		JP 2001514432 T	11-09-2001
JP 06267664 A	22-09-1994	NONE	
JP 02158094 A	18-06-1990	JP 2106755 C	06-11-1996
		JP 8012793 B	07-02-1996